

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, ENCLOSED, SPLASHPROOF,
SNAP ACTION, 125 VOLTS ALTERNATING CURRENT, 10 AMPERE,
SYMBOL 814 (DPST)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-DTL-15743.

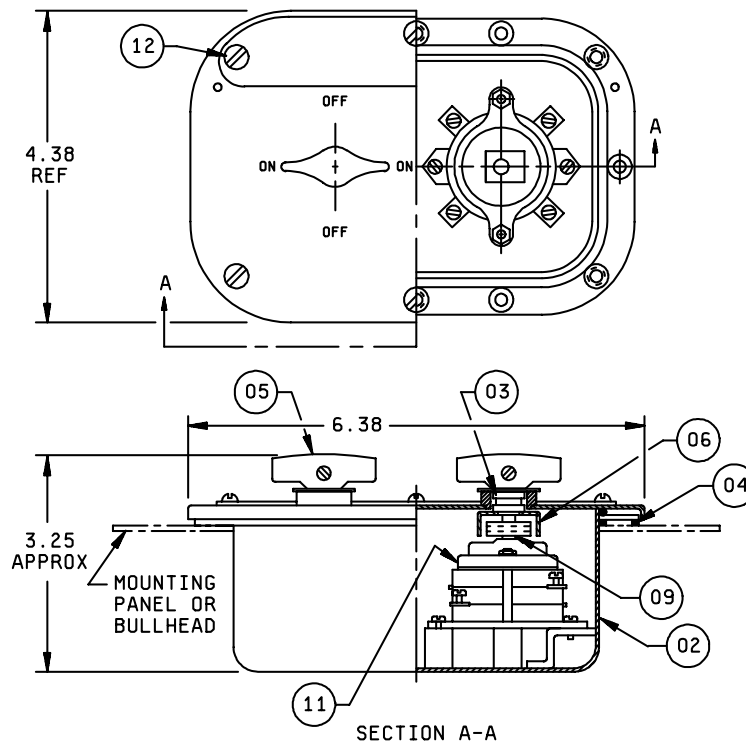


FIGURE 1. Switch, enclosed. ①

NOTES:

1. All dimensions in inches.
2. Unless otherwise specified herein, tolerances shall be as follows:
Two place decimals - plus or minus 0.02.
Three place decimals - plus or minus 0.005.
Angular dimensions - plus or minus 30 minutes.

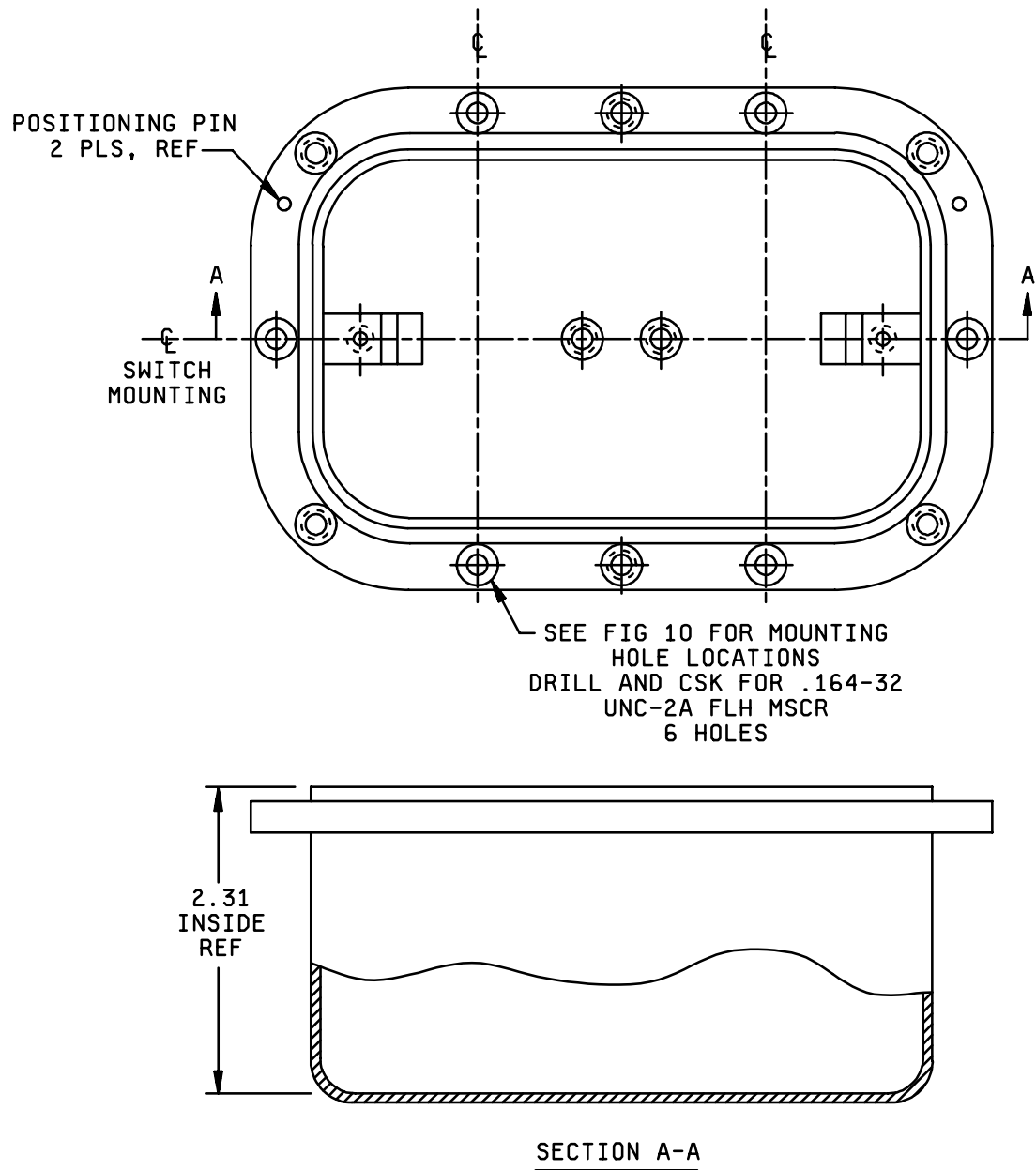


FIGURE 2. Box assembly.

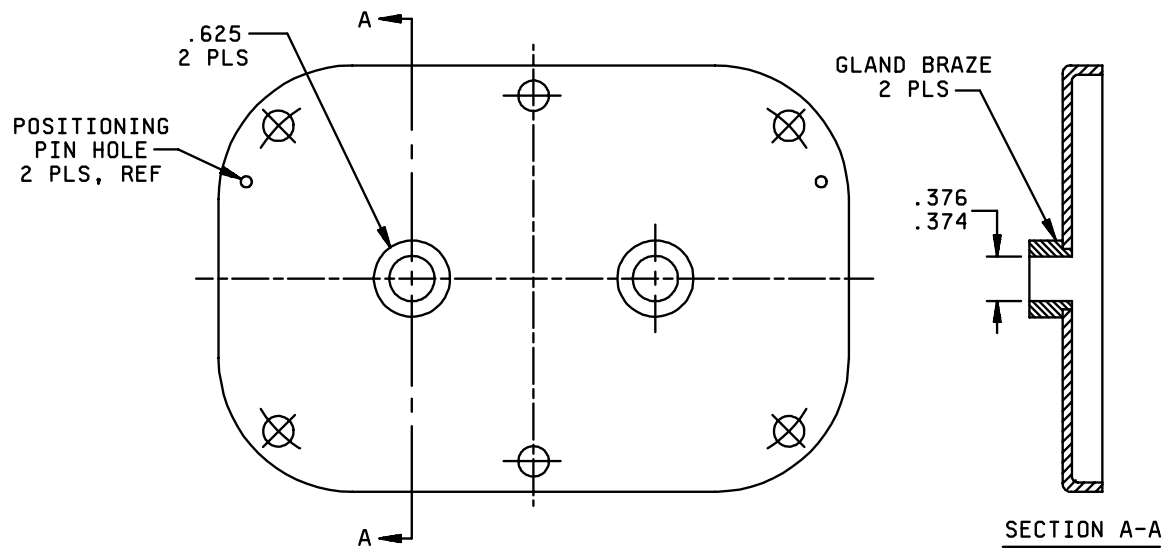


FIGURE 3. Cover assembly.

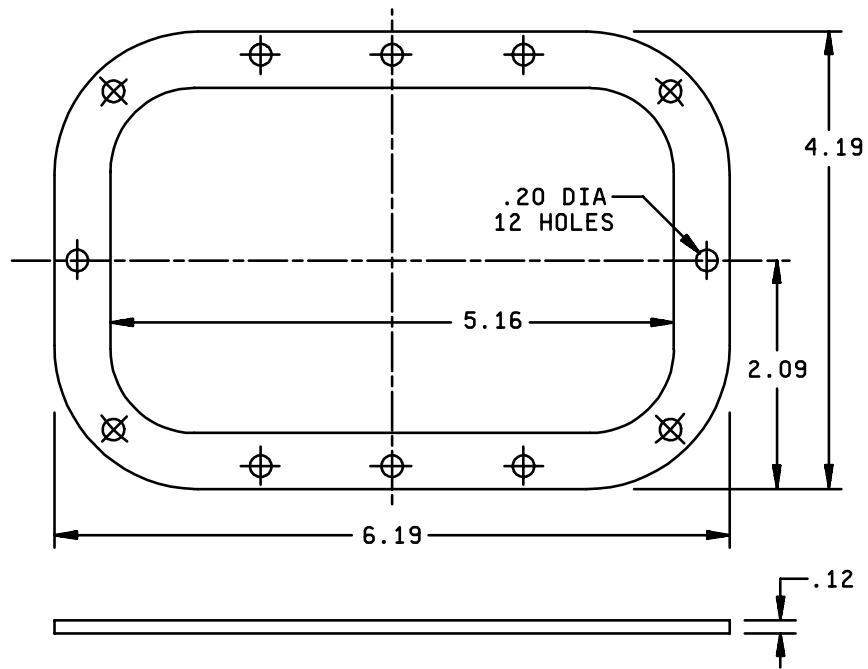


FIGURE 4. Cushion gasket. 04

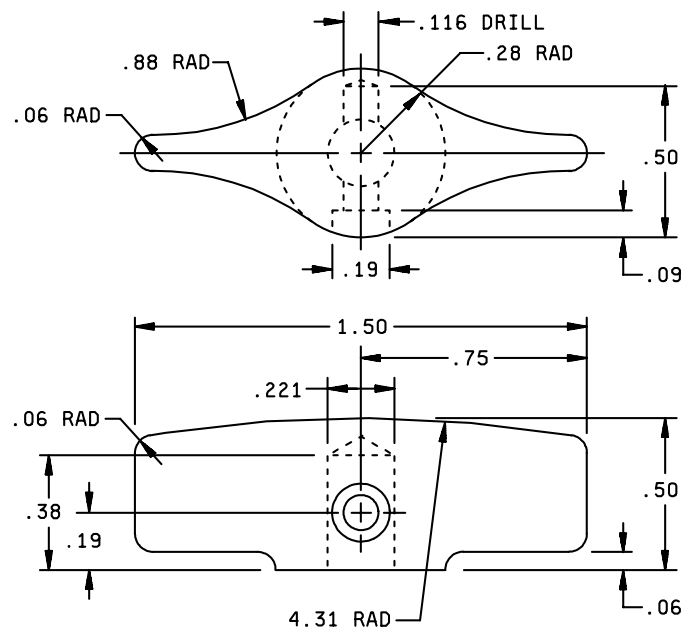


FIGURE 5. Handle. 05

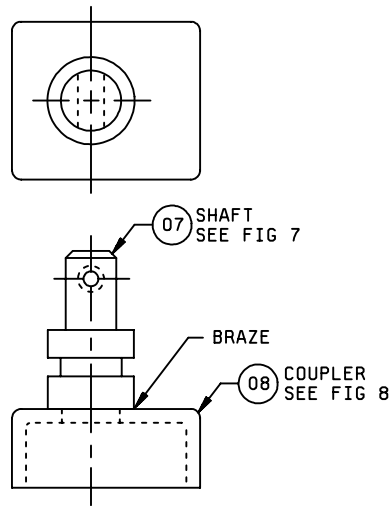


FIGURE 6. Shaft assembly. (06)

63/ ALL OVER, EXCEPT AS NOTED

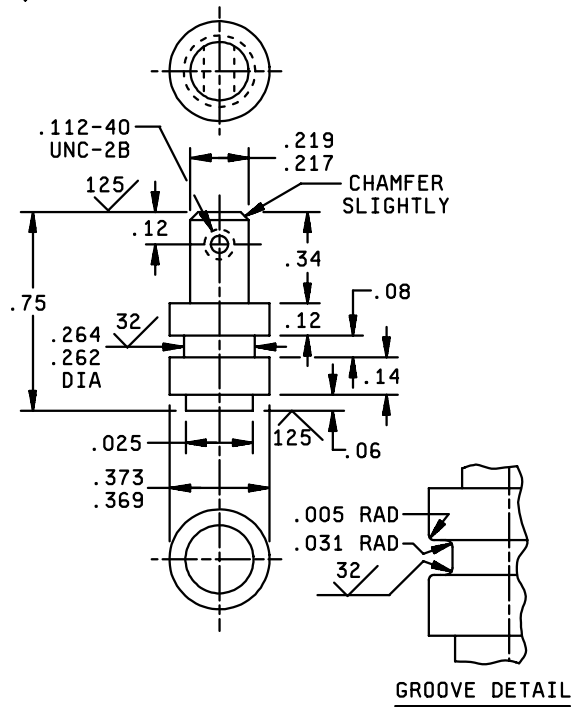


FIGURE 7. Shaft. (07)

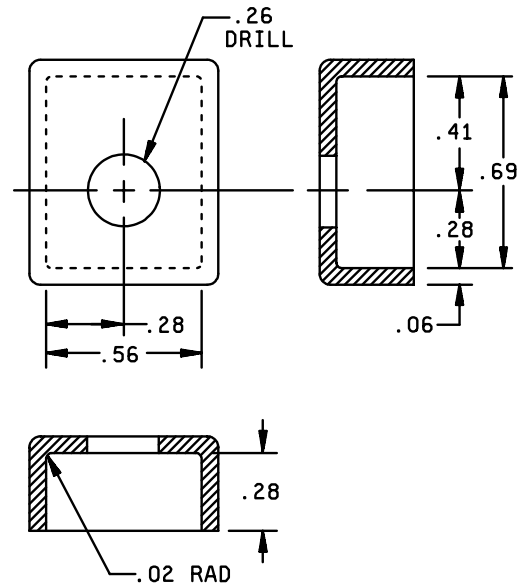


FIGURE 8. Coupler. (08)

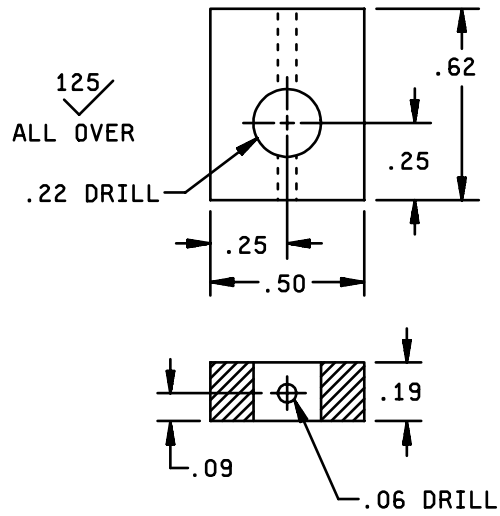


FIGURE 9. Coupler plate. (09)

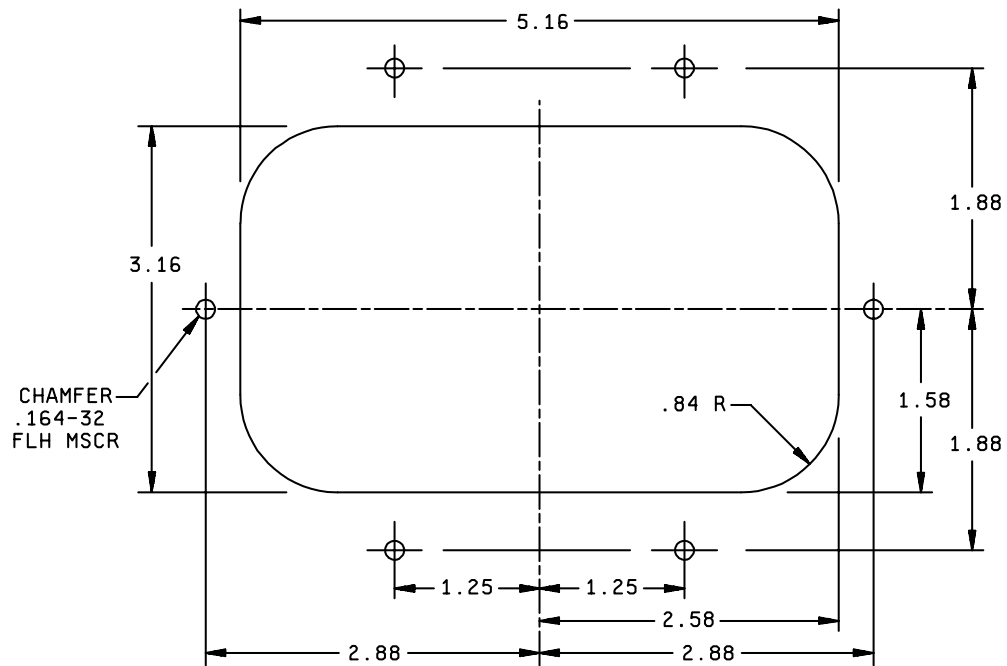


FIGURE 10. Mounting dimensions, ref.

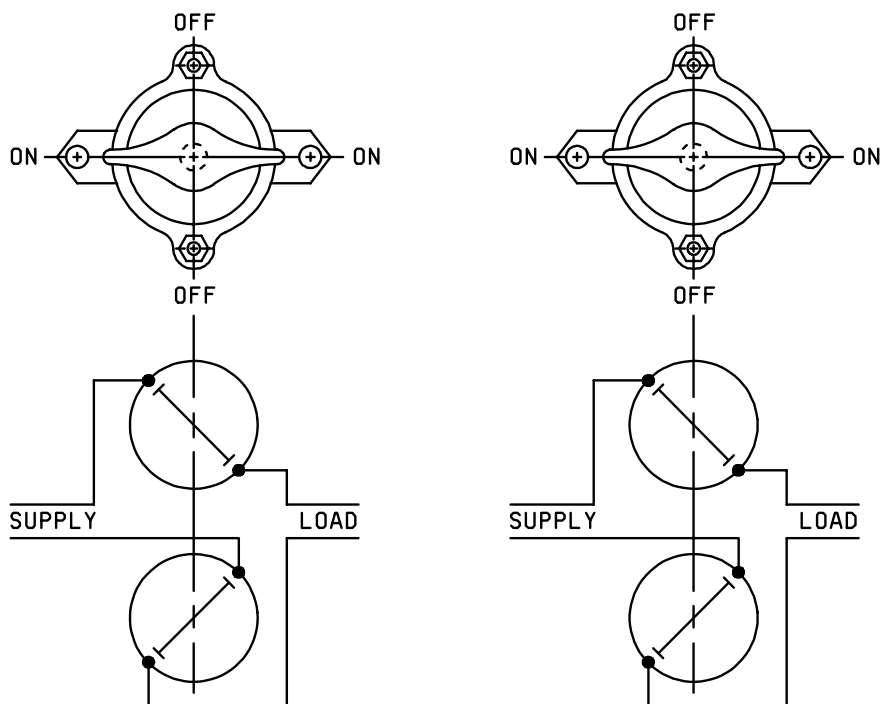


FIGURE 11. Wiring diagram. (09)

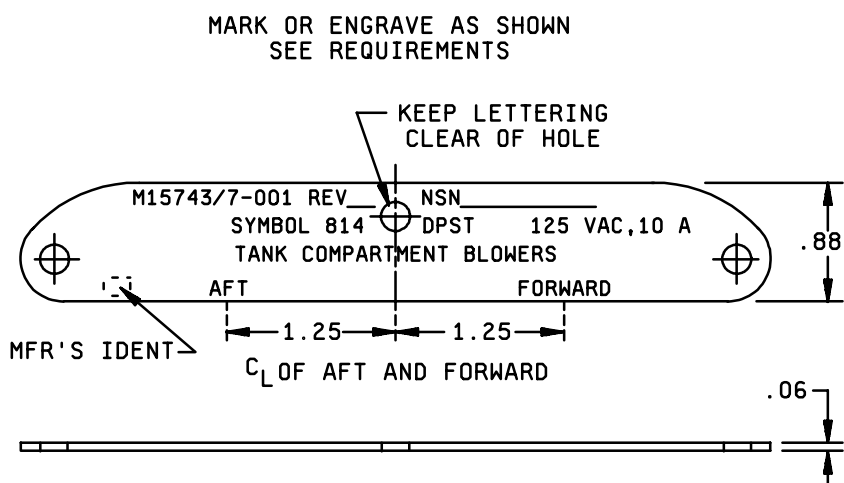


FIGURE 12. Identification plate. (12)

MIL-DTL-15743/7B

REQUIREMENTS

SYMBOL NUMBER: See table I.

DESIGN:

Electrical rating: 125 V ac, 0-10 ampere, 60 Hz.

Dimensions and configuration: See figures 1 through 9.

Wiring diagram: See figure 11.

Mounting dimensions: See figure 10.

Degree of enclosure: Splashproof.

Weight: 3 pounds maximum.

Designation and marking: See figure 11 and 12.

Identification data shall be as shown on figure 12. Unless otherwise specified in the ordering data, ON-OFF switch action marking shall be as shown on figure 11.

Parts: The parts shown in table II and as specified in MIL-DTL-15743 shall be used in the construction of the switches specified herein.

GENERAL INFORMATION:

Military part number and general information are as shown in table I.

TABLE I. Military part number and general information.

Military part no.	Symbol no.	No. of poles and switching characteristics	Supersedes 1/		
			Type	Unit	Sheet
M15743/7-001	814	DPST	1SR2A4-4	9	10

1/ NAVSEA Drawing 9000-S6202-74207, in part.

ORDERING DATA:

Acquisition documents should specify the following:

Switch action marking, if required (see requirements).

MIL-DTL-15743/7B

TABLE II. Parts list.

Item no. <u>1</u> /	Description	Quantity M15743/7-001	Material/ specification	Remarks
01	Switch, enclosed (sym 814)	-		See figure 1
02	Enclosure	1	Brass, MIL-E-24142/2 (modified)	M24142/2-001 See figure 2 & 3
03	O-ring	1	SAE-AS28775-010	----
04	Cushion gasket	1	MIL-R-900	See figure 4
05	Handle	2	Copper alloy ASTM B 584	See figure 5
06	Shaft assembly	2	----	See figure 6
07	Shaft	2	Ni-Cu alloy of QQ-N-281	See figure 7
08	Coupler	2	Brass, ASTM B 36, ASTM B 121	See figure 8
09	Coupler plate	2	CRES, or equivalent	See figure 9
10	Wiring diagram	1	MIL-E-2036	See figure 11
11	Switch (type 1SR1A4)	2	MIL-S-15291/3	M15291/3-002
12	Identification	1	ASTM B 36, ASTM B 121	See figure 12a

1/ Numbers in circles shown on the figures are the same as the item numbers shown in this table.

Revision letters are not used to denote changes due to the extensiveness of the changes.

Custodian:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-1742-07)